

APHID RECORDS FROM UNITED STATES AND CANADA.

By GEORGE F. KNOWLTON, Logan, Utah.

Some Washington Aphids on Lambsquarters: During the season of 1947, E. W. Davis and B. J. Landis collected the following aphids on *Chenopodium album* in the state of Washington: At Cowiche on May 27, *Macrosiphum solanifolii* (Ashmead), *Myzus persicae* (Sulzer), and on May 21, *Pemphigus populiramulorum* Riley alates and *P. balsamiferae* Wms., besides numerous *Landisaphis davisii* K.-M. aptera. On July 9 and 10 at Toppenish, *Aphis rumicis* L. and *A. medicaginis* Koch were collected, besides *Hyalopterus atriplicis* (L.) and alates of *A. gossypii* Glover.

A few Washington Aphids: Among the aphids collected in the state of Washington during 1947, by B. J. Landis and E. W. Davis, were the following:

Aphis gossypii Glover on wild parsnip at Union Gap, July 10.

A. heraclella Davis on wild parsnip, Union Gap, July 10.

Amphorophora nervata (Gill.) on wild rose at Cowiche, May 27.

Hyalopterus arundinus (Fab.) on prune at Union Gap, November 7.

Macrosiphum escalantii Knlt. At Union Gap, November 7.

M. dirhodum (Walker) on potato at Thrall, July 17.

M. eoessigi Knlt. on hollyhock, Union Gap, June 6.

M. katonkae Hottes on *Lactuca* at Union Gap, July 10.

Monellia caryae (Monell) on walnut, Union Gap, July 10.

Myzocallis robiniae Gill. as accidental alates on potato, at Union Gap.

Phorodon humuli (Sehr.) on apricot and peach at Union Gap, September 12.

Pterocomma populea (Kalt.) as alates on potato at Toppenish, May 28.

Rhopalosiphum pseudobrassicae Davis on cabbage and broccoli at Union Gap in July.

R. berderidis (Kalt.) on barberry at Union Gap, June 6.

Clavigerus bicolor (Oest.). An accidental alate was taken on apricot at Union Gap, November 11.

Aphis armoraciae Cowen was taken by the writer on yarrow at Prosser, June 18, 1939.

Some Aphid Records: Recently Professor M. A. Palmer examined and identified a number of aphids from my collection. A few of the more interesting records would include the following:

Amphorophora davidsoni Mason. On *Rubus parviflorus*, University of British Columbia, Vancouver, Canada, June 28, 1950 (R. Stace-Smith).

A. masoni (Knowlton). On *Helianthus annuus*, Pleasant Grove, Utah, July 9, 1947.

A. maxima Mason. *Rubus parviflorus*, University of B. C., Vancouver, Canada, June 15, 1950 (R. Stace-Smith).

A. tigwatensa Hottes. Blackberry, Glacier Ntl. Park, Montana, July 23, 1946.

Aphis armoraceae Cowen. Alate on *Sphaeralcea*, Marble Canyon, Arizona, June 16, 1949.

A. coweni Palmer. On false hellibore, Mirror Lake, Uintah, Mts. Utah, August 6, 1949.

A. fabae Scopoli. On tiesel, Brigham, Utah, June 13, 1947.

A. fitchii Sanderson. Violets, Ogden, Utah, June 24, 1950.

A. maidi-radidis Forbes. On *Bassia hyssopifolia* at Mills Junction, Utah, September 8, 1949.

A. menthae-radidis Cowen. On mountain laurel, Zion National Park, Utah, August 5, 1949.

Collected by the writer except where otherwise indicated.

Capitophorus Aphid Records: *Capitophorus gillettei* Theo. was collected on *Polygonum* at Toppenish, Washington, July 9, 1947 (B. J. Landis). *C. gregarius* K. on *Chrysothamnus*, Logan Dry Canyon, June 13, 1944 (Knowlton—S. L. Wood). *C. longinectarius* G.-P. on *Artemisia tridentata* at Moran, Wyoming, July 19, 1936 (Knowlton). *C. packi* (K.) on *Chrysothamnus nauseosus* at Oak Creek Canyon and Eureka, July 1942, Ephraim Canyon, September 6, 1945, and on *Chryso. greeni* at Kanab, August 10, 1936, in Utah, and at Emigrant Pass, Nevada, July 12, 1944 (Knowlton). *C. potentillae fragaefoliae* (Ckll.) on cultivated strawberry, Grants Pass, Oregon, November 13, 1933 (R. Dimick): on wild *Rosa*, Trail Creek, 10 miles south east of Bozeman, Montana, July 31, 1942 (H. F. Thornley); on strawberry, Union Gap, Washington, July 21, 1947 (B. J. Landis). *C. sporadicum* (K.) on *Chrysothamnus nauseosus*, Brigham Canyon, Utah, October 3, 1928 (Knowlton). *C. zerozoous* K.-S. on *Artemisia tridentata* at Bear River City, Utah; August 10, 1927 (Knowlton).